

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2020****Subject Code:3154006****Date:03/02/2021****Subject Name:Health and Safety Management****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

	Marks
Q.1 (a) Which are the basic causes of accident.	03
(b) Write short note on health & safety management system (HSMS).	04
(c) Write a short note on "Duties of employees for health and safety"	07
Q.2 (a) Explain industrial health & safety.	03
(b) Write key elements of health & safety management system (HSMS).	04
(c) Explain "HAZOP" hazard identification technique.	07
Q.3 (a) Define: Occupational hygiene.	03
(b) Enlist responsibilities of employer under OSHA.	04
(c) Explain the hierarchy of controls.	07
Q.4 (a) What are different engineering controls to eliminate hazard.	03
(b) Give objectives of ISO 45001.	04
(c) Explain: Socio economic aspect of occupational health and safety.	07
Q.5 (a) Explain various classes of fire.	03
(b) Enlist & explain various electrical hazards.	04
(c) Explain in detail various types of industrial hazards.	07
Q.6 (a) Give examples of chemical hazard found in construction work.	03
(b) Give requirements for firefighting systems.	04
(c) Explain causes & preventive measures of electrical hazards.	07
Q.7 (a) What are your moral responsibilities of an employee during occurrence of hazard?	03
(b) What do you mean by occupational health program?	04
(c) Enlist various hazards that can occur at construction site and explain any one in detail.	07
Q.8 (a) Write aims of occupational health & safety.	03
(b) Explain hazard control & enlist various methods of it.	04
(c) Explain risk assessment process with its steps.	07
